

In the Claims:

1. (currently amended) An automatic dishwasher detergent formulation comprising: -  
(a) a metal complex compounds of formula (1)



wherein Me is manganese, titanium, iron, cobalt, nickel or copper,

X is a co-ordinating or bridging radical,

n and m are each independently of the other an integer having a value of from 1 to 8,

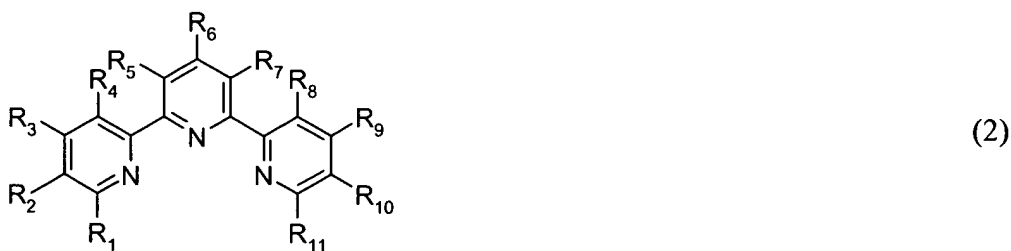
p is an integer having a value of from 0 to 32,

z is the charge of the metal complex,

Y is a counter-ion,

q = z/(charge Y), and

L is a ligand of formula (2)



wherein

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are each independently of the others hydrogen; unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or aryl; cyano; halogen; nitro; -COOR<sub>12</sub> or -SO<sub>3</sub>R<sub>12</sub> wherein R<sub>12</sub> is in each case hydrogen, a cation or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or aryl; -SR<sub>13</sub>, -SO<sub>2</sub>R<sub>13</sub> or -OR<sub>13</sub> wherein R<sub>13</sub> is in each case hydrogen or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or aryl; -N(R<sub>13</sub>)-NR'<sub>13</sub>R''<sub>13</sub> wherein R<sub>13</sub>, R'<sub>13</sub> and R''<sub>13</sub> are as defined above for R<sub>13</sub>; -NR<sub>14</sub>R<sub>15</sub> or -N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub> wherein R<sub>14</sub>,

$R_{15}$  and  $R_{16}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or aryl, or  $R_{14}$  and  $R_{15}$  together with the nitrogen atom bonding them form an unsubstituted or substituted 5-, 6- or 7-membered ring which may optionally contain further hetero atoms;  
with the proviso that  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$  and  $R_{11}$  are not simultaneously hydrogen, as a catalyst for oxidation reactions; and  
(b) an enzyme.

2.(original) A formulation according to claim 1, wherein Me is manganese which is present in oxidation state II, III, IV or V.

3.(currently amended) A formulation according to claim 1 ~~to either claim 1 or claim 2~~, wherein

X is  $CH_3CN$ ,  $H_2O$ ,  $F^-$ ,  $Cl^-$ ,  $Br^-$ ,  $HOO^-$ ,  $O_2^{2-}$ ,  $O^{2-}$ ,  $R_{17}COO^-$ ,  $R_{17}O^-$ ,  $LMeO^-$  or  $LMeOO^-$  wherein  $R_{17}$  is hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or aryl, ~~and L and Me are as defined in claim 1.~~

4.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 3~~, wherein Y is  $R_{17}COO^-$ ,  $ClO_4^-$ ,  $BF_4^-$ ,  $PF_6^-$ ,  $R_{17}SO_3^-$ ,  $R_{17}SO_4^-$ ,  $SO_4^{2-}$ ,  $NO_3^-$ ,  $F^-$ ,  $Cl^-$ ,  $Br^-$  or  $I^-$  wherein  $R_{17}$  is hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or aryl.

5. (currently amended) A formulation according to claim 1 ~~any one of claims 1 to 4~~, wherein n is an integer having a value of from 1 to 4, especially 1 or 2.

6.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 5~~, wherein m is an integer having a value of 1 or 2, especially 1.

7.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 6~~, wherein p is an integer having a value of from 0 to 4, especially 2.

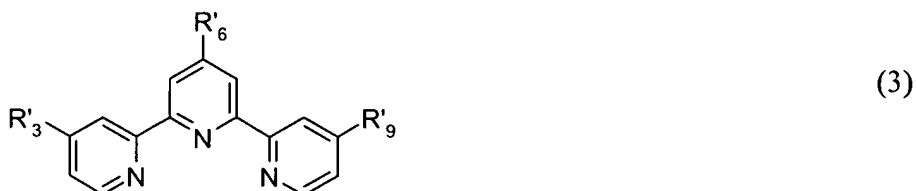
8.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 7~~, wherein z is an integer having a value of from 8- to 8+.

9.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 8~~, wherein aryl is phenyl or naphthyl unsubstituted or substituted by C<sub>1</sub>-C<sub>4</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkoxy, halogen, cyano, nitro, carboxyl, sulfo, hydroxyl, amino, N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthoxy.

10.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 9~~ wherein the 5-, 6- or 7-membered ring formed by R<sub>14</sub> and R<sub>15</sub> together with the nitrogen atom bonding them is an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring.

11. (currently amended) A formulation according to claim 1 ~~any one of claims 1 to 10~~, wherein R<sub>6</sub> is C<sub>1</sub>-C<sub>12</sub>alkyl; phenyl unsubstituted or substituted by C<sub>1</sub>-C<sub>4</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkoxy, halogen, cyano, nitro, carboxyl, sulfo, hydroxyl, amino, N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthoxy; cyano; halogen; nitro; -COOR<sub>12</sub> or -SO<sub>3</sub>R<sub>12</sub> wherein R<sub>12</sub> is in each case hydrogen, a cation, C<sub>1</sub>-C<sub>12</sub>alkyl, or phenyl unsubstituted or substituted as indicated above; -SR<sub>13</sub>, -SO<sub>2</sub>R<sub>13</sub> or -OR<sub>13</sub> wherein R<sub>13</sub> is in each case hydrogen, C<sub>1</sub>-C<sub>12</sub>alkyl, or phenyl unsubstituted or substituted as indicated above; -N(R<sub>13</sub>)-NR'<sub>13</sub>R''<sub>13</sub> wherein R<sub>13</sub>, R'<sub>13</sub> and R''<sub>13</sub> are as defined above for R<sub>13</sub>; -NR<sub>14</sub>R<sub>15</sub> or -N<sup>⊕</sup>R<sub>14</sub>R<sub>15</sub>R<sub>16</sub> wherein R<sub>14</sub>, R<sub>15</sub> and R<sub>16</sub> are each independently of the other(s) hydrogen, unsubstituted or hydroxyl-substituted C<sub>1</sub>-C<sub>12</sub>alkyl, or phenyl unsubstituted or substituted as indicated above, or R<sub>14</sub> and R<sub>15</sub> together with the nitrogen atom bonding them form an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring; and R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> are as defined above or are hydrogen.

12.(original) A formulation according to claim 11, wherein the ligand L is a compound of formula



wherein

R<sub>3</sub>, R<sub>6</sub> and R<sub>9</sub> are as defined for R<sub>6</sub> in claim 11.

13.(original) A formulation according to claim 12, wherein

R<sub>3</sub>, R<sub>6</sub> and R<sub>9</sub> are each independently of the others C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; phenyl unsubstituted or substituted by C<sub>1</sub>-C<sub>4</sub>alkyl, C<sub>1</sub>-C<sub>4</sub>alkoxy, phenyl or by hydroxy; hydrazino; amino; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety; or an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring.

14.(original) A formulation according to claim 13, wherein R<sub>6</sub> is hydroxy.

15. (original) A formulation according to claim 14, wherein a metal complex compound of formula (1) is formed *in situ* in the dishwashing operation.

16.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 15~~, wherein the enzyme is a protease.

17.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 16~~, wherein the enzyme is separated from a component of the formulation.

18.(original) A formulation according to claim 17 wherein the enzyme is encapsulated.

19. (currently amended) A formulation according to claim 1 ~~any one of claims 1 to 18~~, wherein the metal complex compounds of formula (1) is a bleach activation catalyst.

20.(currently amended) A formulation according to claim ~~claims~~ 19, wherein the formulation comprises an additional bleach-activating component.

21.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 20~~, wherein the formulation comprises a builder.

22. (currently amended) A formulation according to claim 1 ~~any one of claims 1 to 21~~, wherein the formulation comprises a surfactant.

23.(original) A formulation according to claim 22, wherein the surfactant is a nonionic low sudsing surfactant.

24.(currently amended) A formulation according to claim 1 ~~any one of claims 1 to 23~~, wherein the formulation comprises an oxygen source.

25. (original) A formulation according to claim 24, wherein the oxygen source is perborate, percarbonate, hydrogen peroxide or a mixture thereof.

26.(original) An automatic dishwasher detergent formulation, containing

- I) 0 - 30%, preferably 0 - 10%, of a surfactant,
- II) 0 - 90%, preferably 0 - 70%, of a builder / co-builder,
- III) 1 - 99%, preferably 1 - 50 %, of a peroxide or a peroxide-forming substance, and
- IV) a metal complex compound of formula (1) in an amount which, in the liquor, gives a concentration of 0.5 – 200 mg/litre of liquor, when from 0.5 to 20g/litre of the dishwashing formulation are added to the liquor.

27. (currently amended) A formulation according to claim 1 ~~any one of claims 1 to 26~~, wherein the formulation is in the form of a tablet.

28.(currently amended) Use of a formulation according to claim 1 ~~any one of claims 1 to 27~~ in an automatic dishwasher.